

AMENDMENT TO THE CLAIMS

1. (currently amended) A light bar assembly comprising:
 - an elongated base having front and rear elongated slots;
 - first and second electronics enclosures mounted to said base at longitudinally spaced positions thereof;
 - a top panel having front and rear elongated slots and supported by said enclosures ~~and~~ generally parallel to said base;
 - at least one cover slidably received in said base and top panel front slots;
 - at least one cover slidably received in said base and top panel rear slots to define ~~an~~ a light bar enclosure therebetween; and
 - a plurality of warning light assemblies secured within said light bar enclosure.
2. (original) The light bar assembly of claim 1, wherein said base is an extruded one-piece member.
3. (original) The light bar assembly of claim 1, wherein said top panel is an extruded one-piece member.
4. (original) The light bar assembly of claim 1, wherein said base and top panel each have opposed ends and further comprising a warning light assembly mounted to each of said ends.
5. (original) The light bar assembly of claim 1, wherein said electronics enclosures each enclose a power supply.
6. (original) The light bar assembly of claim 5, wherein each said electronics enclosure defines an interior space and includes an outside surface, said power

supply comprising at least one heat generating component and a heat sink comprising a metal plate,

wherein said metal plate is arranged on said outside surface and an opening is provided in said enclosure, said heat generating component arranged in said interior space adjacent said opening and joined to said heat sink so that a thermal transfer interface is provided between said component and said heat sink.

7. (original) The light bar assembly of claim 5, wherein said top panel comprises a metal and each said power supply comprises heat transfer interface means for defining a heat transfer interface with said top panel through each said electronics enclosure, whereby said top panel serves as a heat sink for said power supplies.

8. (original) The light bar assembly of claim 1, wherein said base defines a length between opposed ends and a width between said elongated slots, said base further comprising at least two tracks substantially traversing the length of said base transversely inwardly from and parallel to said elongated slots, each said electronics enclosure comprising a plurality of feet, each said foot configured for slidable engagement with one said track, whereby each said electronics enclosure is retained to said base by the engagement of said feet with said tracks and each said electronics enclosure is slidable relative to said base.

9. (currently amended) The light bar assembly of claim 1, wherein said electronics ~~housing~~ enclosure has a height and said height defines a dimension of said light bar enclosure extending between said base and said top panel.

10. (previously amended) A method of assembling a light bar comprising the steps of:

providing a selected length of extruded base and top plate;

providing at least one electronics enclosure;

providing lighting components configured for mounting between said extruded base and top plate;

securing said at least one electronics enclosure to said extruded base;

securing said top plate to said at least one electronics enclosure; and

securing said lighting components between said extruded base and top plate,

whereby said electronics enclosure serves as a structural support between said base and top plate and determines a distance between said base and top plate.

11. (original) The method of claim 10, wherein said step of providing at least one electronics enclosure comprises equipping said electronics enclosure with an externally mounted heat sink plate and said step of securing said top plate to said at least one electronics enclosure comprises establishing a heat transfer interface between said electronics heat sink plate and said top plate.

12. (previously amended) The method of claim 10, wherein said step of securing said lighting components between said extruded base and top plate comprises:

slidably positioning said lighting components relative to said extruded base and top plate.

13. (original) The method of claim 10, wherein said at least one electronics enclosure comprises an upper surface including fastener-receiving mounting brackets and said step of securing said top plate to said at least one electronics enclosure comprises extending fasteners through said top plate to engage said mounting brackets.

14. (original) The method of claim 13, wherein the step of providing at least one electronics enclosure comprises providing two said electronics enclosures.

15. (canceled)

16. (canceled)

17. (canceled)

18. (canceled)

19 (new) The light bar assembly of claim 1, wherein at least one of said first and second electronics enclosures comprises:

a rigid housing defining an upper surface, an interior space and configured for mounting to said elongated base at a housing lower extremity, said housing upper surface defining an opening communicating with said interior space;

at least one heat generating component mounted in said interior space adjacent to and partially penetrating said opening; and

a heat sink comprising a metal plate arranged outside said enclosure and in thermal contact with said at least one heat generating component;

wherein said top panel is thermally conductive, includes a bottom surface and is secured to said housing upper surface in thermally conductive contact with said heat sink, whereby a heat transfer path is defined from said heat generating component to said top panel.